

**S**YSTEM **P**LANNING & **A**NALYSIS **R**eport

**S-109**

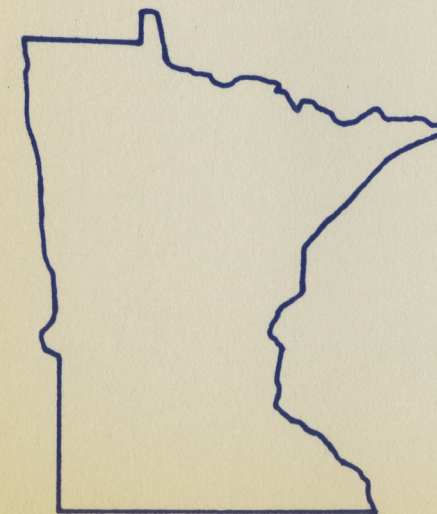
T.H. 35W

FROM 90TH STREET TO  
82ND STREET

S.P. 2782

JULY, 1972

PREPARED BY  
**OFFICE OF SYSTEM PLANNING**



**MINNESOTA  
DEPARTMENT  
OF HIGHWAYS**



DEPARTMENT HIGHWAY - Statewide Planning -  
Room 807 - Extension 3158

## Office Memorandum

TO : Paul G. Velz  
Road Design Engineer

DATE: July 20, 1972

FROM : Morris Gildemeister, Chief  
Statewide Planning Section

SUBJECT: T.H. 35W, 90th Street to 82nd Street  
S.P. 2782  
System Planning and Analysis Report S-109

This report is in response to D. W. Brown's February 1, 1972 request for the 1985 ADT and HCADT traffic volumes on the project location of T.H. 35 from 90th Street to 82nd Street.

The project location is shown on the Page 2 map and 1985 ADT is presented on the Page 3 map. On Pages 4-6 are a tabulation of 1985 ADT, total HCADT, and vehicle type breakdown of total HCADT. Basic data, method, and assumptions are presented on Page 7.

Segment 3, with the highest 1985 ADT, has 43000 one-way ADT. Its 1970 ADT is 31250.

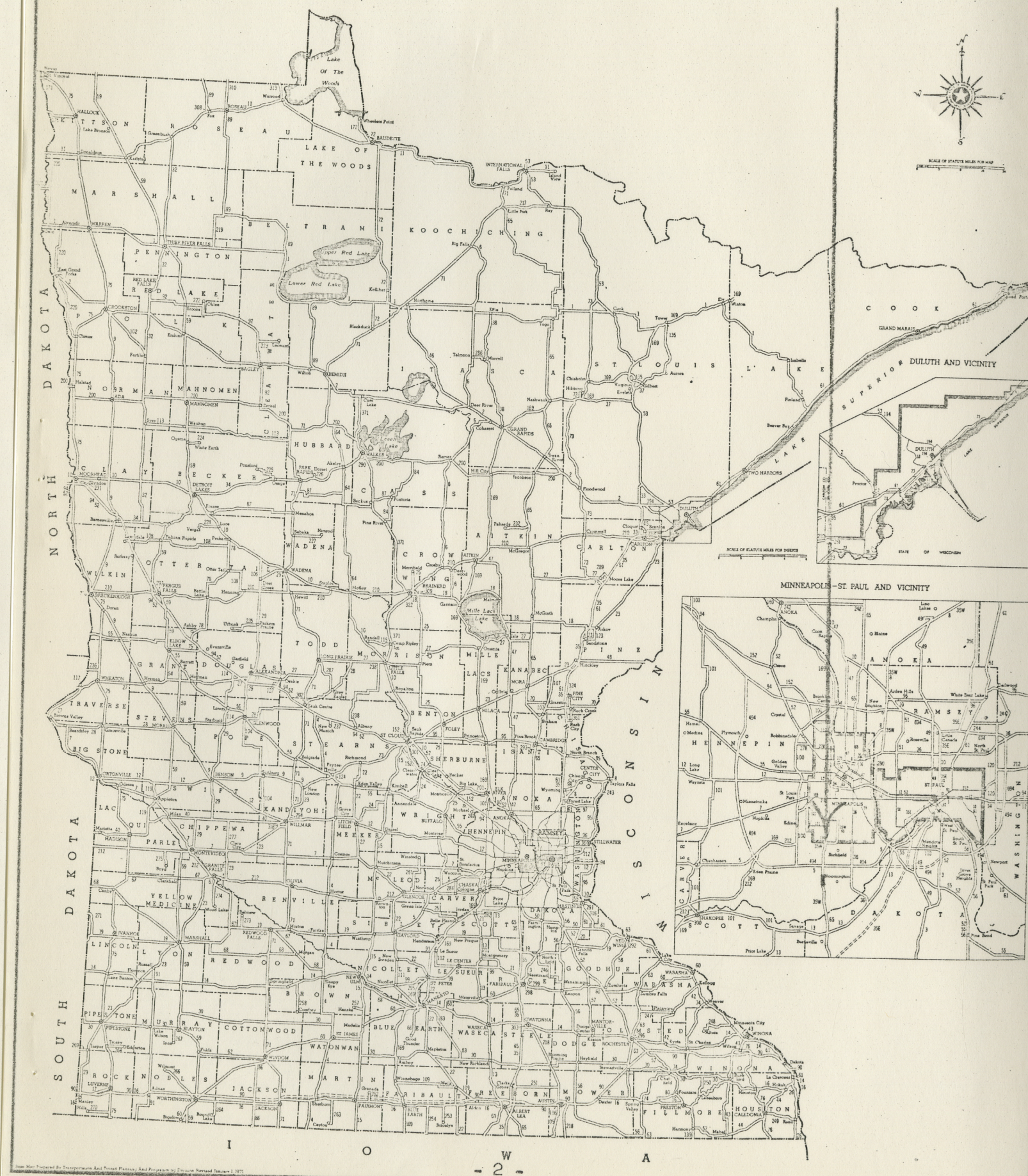
*Morris Gildemeister*

Morris Gildemeister, Chief  
Statewide Planning Section

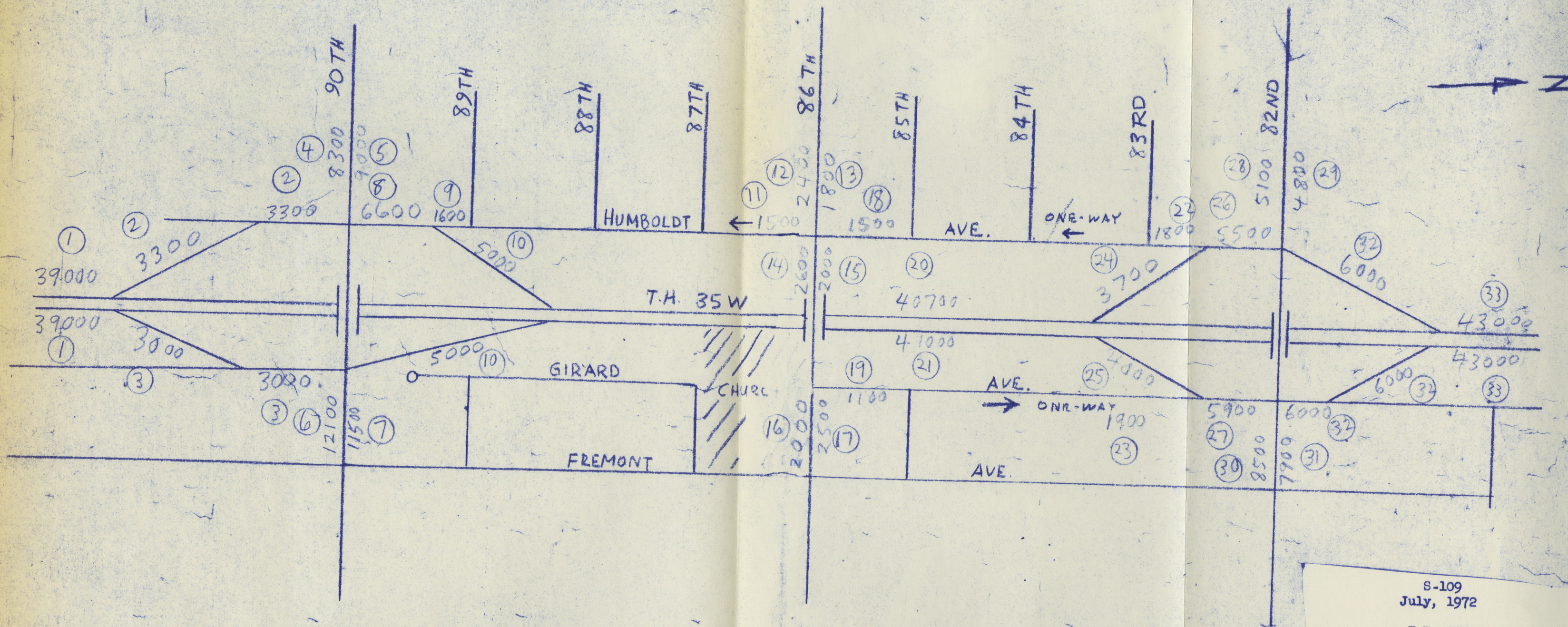
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STATE OF MINNESOTA  
DEPARTMENT OF HIGHWAYS  
WORK MAP

Project Location  
S.P. 2782







S-109  
 July, 1972  
 T.H. 35W  
 From 90th Street to 82nd Street  
 S.P. 2782  
Legend  
 Segment Number. . . . . (33)  
 1985 One-way ADT. . . . . 43000



## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 3

FOR

T.H. 35 W S.P. 2782 LENGTH ---- MILESCOUNTY Hennepin LOCATION 90th Street to 82nd Street

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	35607	3164	2880	7868	8530	11465	10895	6210	1520	4690	1426
1	821	66	55	290	316	388	381	209	59	150	55
2	933	40	39	8	9	68	49	91	1	90	1
3	102	7	6	25	27	35	34	18	3	15	3
4	157	4	4	17	18	23	22	11	1	10	1
5	1214	15	13	50	54	73	69	42	7	35	6
6	166	4	3	42	46	48	50	19	9	10	8
TOTAL ADT	39000	3300	3000	8300	9000	12100	11500	6600	1600	5000	1500
TOTAL H. COMM. ADT	3393	136	120	432	470	635	605	390	80	310	74
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS

## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 3

FOR

T.H. 35W S.P. 2782 LENGTH ---- MILESCOUNTY Hennepin LOCATION 90th Street to 82nd Street

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	2236	1668	2426	1858	1858	2332	1426	1041	37133	37417	1707
1	80	58	87	65	65	83	55	41	905	916	70
2	21	20	22	21	21	22	1	2	983	984	1
3	15	13	16	14	14	16	3	3	110	111	4
4	1	-	1	-	-	1	1	1	163	163	1
5	3	-	4	1	1	3	6	6	1234	1236	8
6	44	41	44	41	41	43	8	6	172	173	9
TOTAL ADT	2400	1800	2600	2000	2000	2500	1500	1100	40700	41000	1800
TOTAL H. COMM. ADT	164	132	174	142	142	168	74	59	3567	3583	93
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS



## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 3

FOR

T.H. 35W S.P. 2782 LENGTH        MILESCOUNTY Hennepin LOCATION 90th Street to 82nd Street

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 33 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	23	24	25	26	27	28	29	30	31	32	33
0	1799	3464	3748	5171	5547	4772	4488	7970	7403	5646	39315
1	71	96	107	166	178	198	187	291	272	150	959
2	3	46	47	47	50	20	19	54	50	66	1003
3	5	16	17	20	22	30	29	43	41	24	118
4	2	8	8	9	10	10	10	17	16	12	167
5	10	50	52	58	62	21	19	59	54	72	1256
6	10	20	21	29	31	49	48	66	64	30	182
TOTAL ADT	1900	3700	4000	5500	5900	5100	4800	8500	7900	6000	43000
TOTAL H. COMM. ADT	101	236	252	329	353	328	312	530	497	354	3685
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS      4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS      5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
 2 = SINGLE UNIT-3 AXLE TRUCKS              6 = BUSES AND TRUCKS WITH TRAILERS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

## Basic Data, Method, and Assumptions

SPAR M-93 presents the 1985 ADT for the project location shown on the Page 2 map.

The HCADT was obtained by the following method. A study of the T.H. 35W bridge at Overlook Drive was made in October of 1969. The 1969 volumes of traffic were classified into 8 a.m. - 4 p.m., 4 p.m. - 12 m, 12 m - 8 a.m. Counts were made in June, 1972 from 8 a.m. to 4 p.m. on the project. This count was related to the 1969 counts to obtain 1972 24-hour weekday traffic volumes. These volumes were adjusted to 1972 ADT by studying the volume of L-351 south of project on T.H. 35. This traffic was projected by vehicle type to 1985 volumes using a statewide vehicle type trend study.

The 1995 ADT may be obtained by expanding the 1985 ADT by 30 percent.